

SYNTHETIC ORGANIC CONTAMINANTS (SOCs)

Administering Department: Chemistry

Test Contact: Wally Baker, 334-2235 ext. 233

Purpose of Test:

To determine the presence and concentration of over 200 organic substances in a variety of matrices including groundwater, wastewater, soil, and sludge. SOCs originate from numerous sources including pesticides and herbicides, electrical transformers, plastics, wood preservatives, and other industrial sources.

Sample and Submission Guidelines:

Samples may be submitted by any interested party.

Sampling supplies may be obtained free of charge by calling the Bureau of Laboratories or following ([link to Chemistry Sampling and Submission guidelines](#))

Samples must be collected according to the [Chemistry Sampling and Submission Guidelines](#)

Methods:

Depending on the type of matrix and purpose of testing (ie. Public Water System vs. soil contamination), numerous methods may be used. Refer to the [Chemistry Sampling and Submission Guidelines](#) for a list of available methods.

Possible Results and Meaning:

Refer to the following link to obtain fact sheets on many SOCs:

<http://www.epa.gov/safewater/dwh/c-soc.html>

Charge for test: Refer to [BOL Price List](#) for current test prices

Turn-Around-Time: Test results are typically available within three weeks of submittal. A request for rush results can be completed within 2-3 working days.

Links: The following links may be useful in understanding the purpose of this test and the results.

<http://www.epa.gov/safewater/mcl.html> (Contaminants and Health Effects)

http://www.epa.gov/ogwdw000/methods/orch_tbl.html (Approved Methods for Organic Chemicals)

<http://www.epa.gov/safewater/dwh/c-soc.html> (Fact Sheets Synthetic Organic Contaminants)

<http://www.epa.gov/ogwdw/methods/methods.html> (Analytical Methods for Drinking Water)

<http://www.epa.gov/ogwdw/index.html> (EPA Groundwater Home Page)

<http://www.deq.state.id.us/> (DEQ)